



County of Los Angeles CHIEF EXECUTIVE OFFICE

713 KENNETH HAHN HALL OF ADMINISTRATION
LOS ANGELES, CALIFORNIA 90012
(213) 974-1101
<http://ceo.lacounty.gov>

WILLIAM T FUJIOKA
Chief Executive Officer

January 29, 2008

The Honorable Board of Supervisors
County of Los Angeles
383 Kenneth Hahn Hall of Administration
500 West Temple Street
Los Angeles, CA 90012

Dear Supervisors:

**DEPARTMENT OF PUBLIC WORKS: TRAFFIC SIGNAL
SYNCHRONIZATION PROGRAM
CITY OF HAWAIIAN GARDENS
CITY--COUNTY COOPERATIVE AGREEMENT
(SUPERVISORIAL DISTRICT 4)
(3 VOTES)**

IT IS RECOMMENDED THAT YOUR BOARD:

Approve and authorize the Director of Public Works or his designee to execute the Cooperative Agreement between the City of Hawaiian Gardens and the County of Los Angeles to participate in the County's Traffic Signal Synchronization Program. This agreement describes the roles and responsibilities of the City and the County in carrying out traffic signal synchronization projects on the stated arterials.

PURPOSE/JUSTIFICATION OF RECOMMENDED ACTION

The purpose of the recommended action is to formalize the roles and responsibilities associated with the operation of traffic signals upon completion of the Department of Public Works' traffic signal synchronization construction projects.

Implementation of Strategic Plan Goals

The Countywide Strategic Plan directs that we provide Service Excellence (Goal 1) since the clarification of roles and responsibilities for traffic signal synchronization projects will improve efficiency, quality, and responsiveness of County transportation services to all residents.

Board of Supervisors
GLORIA MOLINA
First District

YVONNE B. BURKE
Second District

ZEV YAROSLAVSKY
Third District

DON KNABE
Fourth District

MICHAEL D. ANTONOVICH
Fifth District

FISCAL IMPACT/FINANCING

There will be no impact to the County General Fund.

FACTS AND PROVISIONS/LEGAL REQUIREMENTS

The attached agreement, which has been approved as to form by County Counsel, provides for the City of Hawaiian Gardens and the County of Los Angeles to adhere to stated responsibilities involved in Traffic Signal Synchronization Program (TSSP) projects.

Since 1988, the Department of Public Works has administered TSSP projects, which have provided a means to coordinate synchronization between arterials of regional significance. TSSP projects improve traffic signal operation by upgrading each traffic signal to Federal and State standards. With each project, we typically install additional vehicle detection to enable each intersection to operate as a fully traffic actuated signalized intersection. In addition, appropriate components are also installed to enable each signal to utilize time-based coordination resulting in the synchronization of a series of signals along an arterial route. These improvements have provided congestion relief and substantially increased mobility through reduced travel times.

The intent of this agreement is to document the roles and responsibilities of the City and the County when entering into TSSP projects and to confirm the associated liabilities of each agency. Nothing in this agreement will alter the current roles and responsibilities of the City and County in operating and maintaining the traffic signals and signal systems within their respective jurisdiction.

ENVIRONMENTAL DOCUMENTATION

In accordance with Section 15378(b)(4) of the California Environmental Quality Act (CEQA) Guidelines, approval of the recommended action does not constitute a project and, hence, is not subject to the requirements of CEQA.

IMPACT ON CURRENT SERVICES (OR PROJECTS)

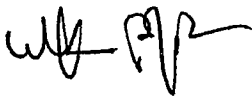
There will be no impact on current County services or projects during the performance of the recommended services.

The Honorable Board of Supervisors
January 29, 2008
Page 3

CONCLUSION

Please return one adopted copy of this letter to the Department of Public Works, Traffic and Lighting Division. After final approval by our Director of Public Works, we will provide you with a fully executed original copy for your files.

Respectfully submitted,

A handwritten signature in black ink, appearing to read 'WTF', followed by a stylized flourish.

WILLIAM T FUJIOKA
Chief Executive Officer

WTF:DLW
WJW:pc

Attachment

c: Chief Administrative Office
County Counsel (Warren Wellen)

A G R E E M E N T

This AGREEMENT, made and entered into by and between the CITY OF HAWAIIAN GARDENS, a municipal corporation in the County of Los Angeles, hereinafter referred to as CITY, and the COUNTY OF LOS ANGELES, a political subdivision of the State of California, hereinafter referred to as COUNTY:

W I T N E S S E T H

WHEREAS, Carson Street from Pioneer Boulevard to Bloomfield Avenue and Pioneer Boulevard from 215th Street to Carson Street, hereinafter referred to as ARTERIALS, are roadways that are or will soon become a part of the County's Traffic Signal Synchronization Program (hereinafter referred to as TSSP); and

WHEREAS, CITY and COUNTY are each responsible for their jurisdictional portion of the operation and maintenance of the traffic signals and signal systems along each of the ARTERIALS;

WHEREAS, CITY and COUNTY have previously cooperated, in carrying out traffic signal synchronization projects on ARTERIALS; and

WHEREAS, CITY and COUNTY desire to memorialize their understanding regarding their relative rights, obligations, and duties with respect to the TSSP.

NOW, THEREFORE, in consideration of the mutual benefits to be derived by CITY and COUNTY and of the promises herein contained, it is hereby agreed as follows:

(1) CITY AGREES:

- a. Nothing in this AGREEMENT shall be construed as changing the role of CITY in operating and maintaining the traffic signals within CITY's jurisdiction.
- b. To be responsible for maintaining the basic traffic signal timing for the intersections within the jurisdictional boundary of CITY.
- c. To maintain the traffic signal coordination timing along ARTERIALS to promote coordinated traffic operations, multijurisdictional cooperation, and to make the COUNTY aware of any changes implemented to the coordination timing that may impact the coordination of the traffic signals along the ARTERIALS.
- d. To accept full and complete ownership of, responsibility for, and to maintain in good condition and at CITY expense all improvements to be constructed through the Carson Street TSSP Project as specified in the construction plan documents as shown in Attachment A, within CITY's jurisdiction, including

the timing of traffic signals on ARTERIALS that supports coordination timing and optimum synchronization of traffic signals on ARTERIALS.

- e. To continue to maintain in good condition and at CITY's expense the improvement previously constructed for Pioneer Boulevard TSSP Project.
- f. To cooperate with COUNTY and provide requested information in a reasonable and timely fashion in connection with COUNTY's preparation of an annual report for the Metropolitan Transportation Authority (Metro) as referred to in Paragraph (2)c below.

(2) COUNTY AGREES:

- a. Nothing in this AGREEMENT shall be construed as changing the role of the COUNTY in operating and maintaining the traffic signals and signal systems within CITY's jurisdiction.
- b. As a part of construction of individual TSSP Projects, to develop and implement the traffic signal coordination timing along the ARTERIALS that will improve arterial traffic conditions and traffic flow thereby saving motorists time and improving air quality.
- c. To file routine reports with the Metro on the efficiency of these Traffic Signal Synchronization Projects by compiling an operational status from individual cities along the ARTERIALS.
- d. To provide a 1-year warranty from the date of field acceptance for all improvements constructed on Carson Street from Pioneer Boulevard to Bloomfield Avenue. The warranty work, if required, shall consist of corrective work related to deficient materials or workmanship completed during the construction of the project. Maintenance work is not eligible.

(3) IT IS MUTUALLY UNDERSTOOD AND AGREED AS FOLLOWS:

- a. This AGREEMENT does not constitute any financial commitment between the CITY and COUNTY.
- b. The term of this AGREEMENT shall commence on the date it is approved by the Board of Supervisors and shall continue until any party terminates it upon thirty (30) days prior written notice.
- c. Any correspondence, communication, or contact concerning this AGREEMENT shall be directed to the following:

CITY: Mr. Charles Vosicka
City Engineer
City of Hawaiian Gardens
21815 Pioneer Boulevard
Hawaiian Gardens, CA 90716-1257

COUNTY: Mr. William Winter
Assistant Deputy Director
Traffic and Lighting Division
County of Los Angeles Department of Public Works
P.O. Box 1460
Alhambra, CA 91802-1460

- d. Neither COUNTY nor any officer or employee of COUNTY shall be responsible for any damage or liability occurring by reason of any act or omission on the part of CITY under or in connection with any work, authority, or jurisdiction delegated to, assumed by, or determined to be the responsibility of CITY under this AGREEMENT. It is also understood and agreed that, pursuant to Government Code, Section 895.4, CITY shall fully indemnify, defend, and hold COUNTY harmless from any liability imposed for injury (as defined by Government Code, Section 810.8) occurring by reason of any act or omission on the part of CITY under or in connection with any work, authority, or jurisdiction delegated to or determined to be the responsibility of CITY under this AGREEMENT.
- e. Neither CITY nor any officer or employee of CITY shall be responsible for any damage or liability occurring by reason of any act or omission on the part of COUNTY under or in connection with any work, authority, or jurisdiction delegated to or determined to be the responsibility of COUNTY under this AGREEMENT. It is also understood and agreed that, pursuant to Government Code, Section 895.4, COUNTY shall fully indemnify, defend, and hold CITY harmless from any liability imposed for injury (as defined by Government Code, Section 810.8) occurring by reason of any act or omission on the part of COUNTY under or in connection with any work, authority, or jurisdiction delegated to or determined to be the responsibility of COUNTY under this AGREEMENT.

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IN WITNESS WHEREOF, the parties hereto have caused this AGREEMENT to be executed by their respective officers, duly authorized, by the CITY OF HAWAIIAN GARDENS on _____, 2007, and by the COUNTY OF LOS ANGELES on _____, 2007.

ATTEST:

COUNTY OF LOS ANGELES

By _____
Director of Public Works

APPROVED AS TO FORM:

RAYMOND G. FORTNER, JR.
County Counsel

By 
Deputy

CITY OF HAWAIIAN GARDENS

By _____
City Administrator

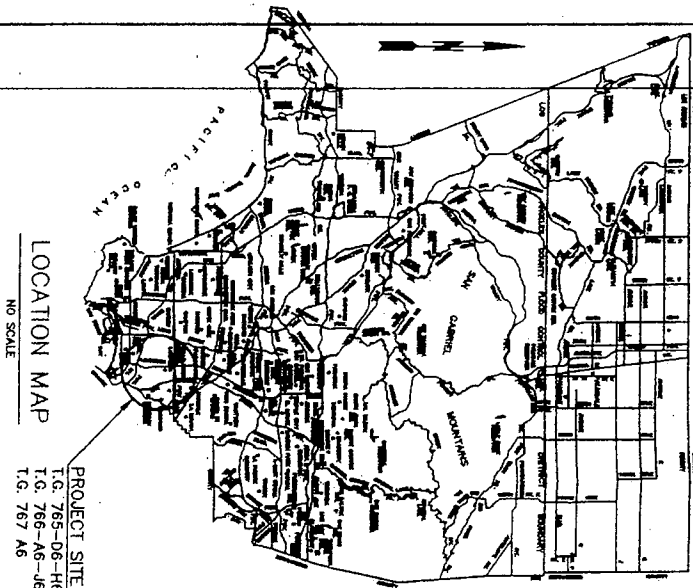
ATTEST:

By _____
City Clerk

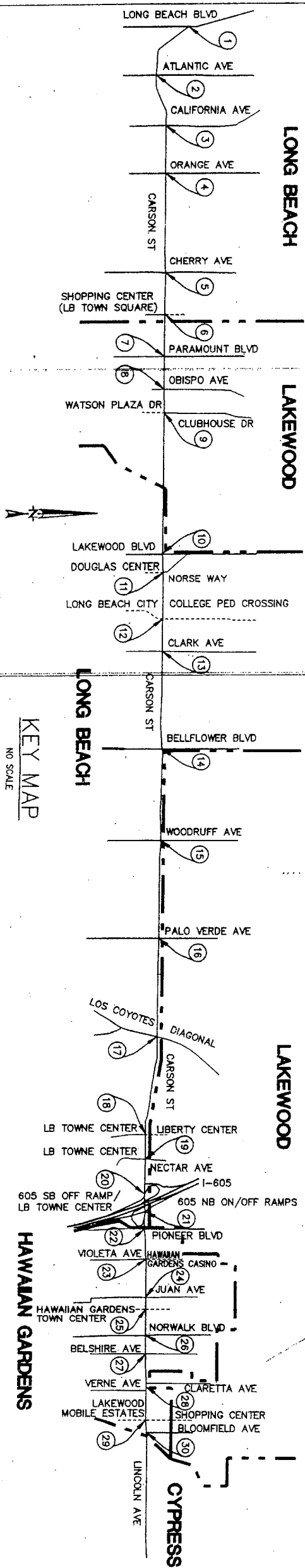
By _____
City Attorney

COUNTY OF LOS ANGELES
DEPARTMENT OF PUBLIC WORKS
CARSON STREET

LONG BEACH BOULEVARD TO BLOOMFIELD AVENUE
PROJECT ID NO. TSM0010036

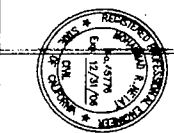


SHEET INDEX		
NO.	INTERSECTION	SHEET
1	TITLE SHEET	1
1	CARSON ST. AT LONG BEACH BLVD.	NO WORK
2	CARSON ST. AT ATLANTIC AVE.	2
3	CARSON ST. AT CALIFORNIA AVE.	3
4	CARSON ST. AT ORANGE AVE.	4
5	CARSON ST. AT CHERRY AVE.	NO WORK
6	CARSON ST. AT SHOPPING CENTER (LB TOWN SQUARE)	5
7	CARSON ST. AT PARAMOUNT BLVD.	6
8	CARSON ST. AT OBISPO AVE.	7
9	CARSON ST. AT WATSON PLAZA DR./CLUBHOUSE DR.	8
10	CARSON ST. AT LAKEWOOD BLVD.	NO WORK
11	CARSON ST. AT NORSE WAY/DOUGLAS CENTER	9
12	CARSON ST. AT LB.C.C. PED CROSSING	NO WORK
13	CARSON ST. AT BELLFLOWER BLVD.	10
14	CARSON ST. AT WOODRUFF AVE.	NO WORK
15	CARSON ST. AT PALO VERDE AVE.	11
16	CARSON ST. AT LOS COYOTES DIAGONAL	12
17	CARSON ST. AT LIBERTY CENTER/LB TOWNE CTR.	13
18	CARSON ST. AT HECIAH AVE/LB TOWNE CTR.	14
19	CARSON ST. AT I-605 SB OFF-RAMP/LB TOWNE CTR.	15
20	CARSON ST. AT I-605 NB ON/OFF-RAMP	NO WORK
21	CARSON ST. AT PIONEER BLVD.	NO WORK
22	CARSON ST. AT VIOLETA AVE./HAWAIIAN GARDENS CASINO	16
23	CARSON ST. AT NORWALK BLVD.	17
24	CARSON ST. AT JUAN AVE.	18
25	CARSON ST. AT HAWAIIAN GARDENS TOWN CENTER	19
26	CARSON ST. AT BELSHIRE AVE.	20
27	CARSON ST. AT VERNE AVE.	21
28	CARSON ST. AT CLARETTA AVE.	22
29	CARSON ST. AT SHOPPING CENTER/LAKEWOOD MOBILE ESTATES	23
30	CARSON ST./LINCOLN AVE. AT BLOOMFIELD AVE.	24
31	GPS UNIVERSAL TIME BASE UNIT TABLE	25



REVIEWED BY	K. RUTHERFORD
CHECKED	K. RUTHERFORD
DESIGNED	K. KO
DRAWN	K. KO

PRIME CONTRACTOR LICENSE REQUIRED: CLASS A OR C10



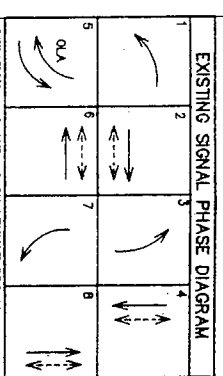
PLANS PREPARED BY: YAN DELL AND ASSOCIATES, INC.
DATE: 12/29/05
UNDER THE SUPERVISION OF: [Signature]
DATE: 4/29/05
PROJECT: CARSON STREET
SHEET: 1 OF 23

TWO DAYS BEFORE YOU DIG
CALL USA TOLL FREE
800-227-2600

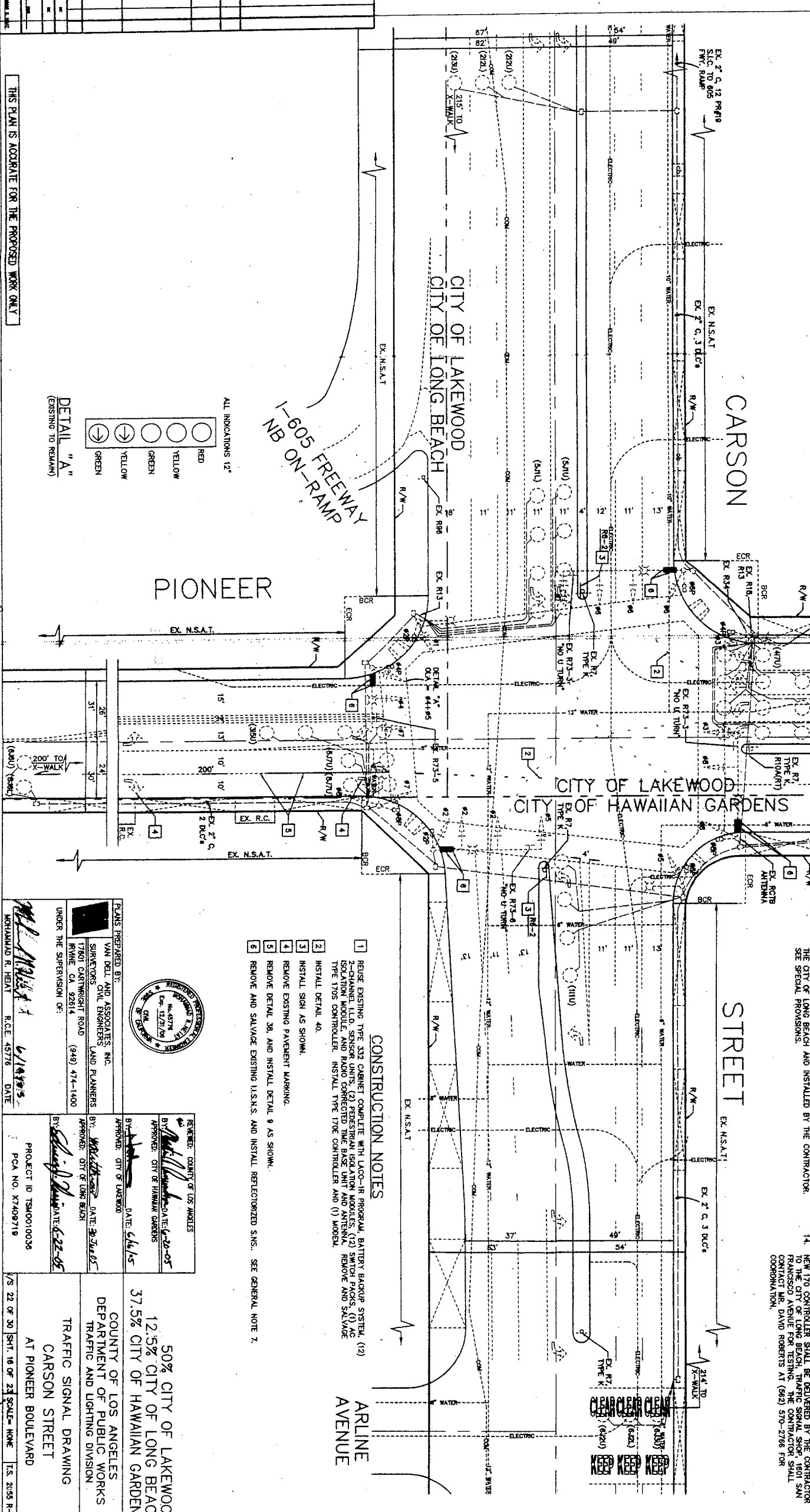
COUNTY OF LOS ANGELES DEPARTMENT OF PUBLIC WORKS
TRAFFIC AND LIGHTING DIVISION
CARSON STREET
LONG BEACH BLVD. TO BLOOMFIELD AVE.
SHT. 1 OF 23
PCA NO. X7408719
TITLE SHEET
T.S. 3647

GENERAL NOTES

1. TRAFFIC SIGNAL AND LIGHTING SHALL CONFORM TO THE STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS - SECTION 6A, JULY 2002 EDITION, AND STANDARD PLANS - JULY 2002 EDITION, UNLESS OTHERWISE NOTED ON THE PLAN OR IN THE SPECIAL PROVISIONS.
2. ALL MATERIALS AND EQUIPMENT SHALL BE FURNISHED AND INSTALLED BY THE CONTRACTOR, EXCEPT SIGNING.
3. ALL WIRING WHETHER EXISTING OR NEW SHALL BE MARKED (TAGGED) WITHIN THE CONTROLLER CABINET FOR PHASE IDENTIFICATION.
4. ALL SIGNAL EQUIPMENT SHALL BE WIRING IN ACCORDANCE WITH THE EXISTING SIGNAL PHASE DIAGRAM.
5. (0000) INDICATES LOOP ASSIGNMENT IN THE CONTROLLER CABINET.
6. PROPOSED SIGNING (EXCEPT FOR WAST ARN STREET NAME SIGNS) SHALL BE INSTALLED, RELOCATED OR REMOVED BY THE LOS ANGELES COUNTY DEPARTMENT OF PUBLIC WORKS. CALL (626) 458-1708 5 WORKING DAYS PRIOR SCHEDULED INSTALLATION FOR COORDINATION.
7. PROPOSED WAST ARN STREET NAME SIGNS SHALL BE FURNISHED BY THE CITY OF LONG BEACH AND INSTALLED BY THE CONTRACTOR. SEE SPECIAL PROVISIONS.
8. ALL TRAFFIC LINES SHOWN HEREON AS PART OF TS04010036 SHALL BE INSTALLED WITH PAINT BY THE CONTRACTOR UNLESS OTHERWISE NOTED.
9. ALL NEW SIGNING SHALL CONFORM TO THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD), 2003 EDITION, AND ITS CALIFORNIA SUPPLEMENT, DATED MAY 2004.
10. EXISTING SIGNING PER CALTRANS TRAFFIC MANUAL.
11. REMOVAL OF ALL CONFLICTING LINES AND MARKINGS SHALL BE BY MET SANDBLASTING AND INCLUDES REMOVAL OF RAISED PAVEMENT MARKERS.
12. ALL TRAFFIC LINES AND MARKINGS SHALL CONFORM TO CALTRANS STANDARD PLANS, JULY 2002 EDITION.
13. ALL TRAFFIC SIGNAL EQUIPMENT TO BE SALVAGED SHALL BE DELIVERED TO THE CITY OF LONG BEACH, TRAFFIC SIGNAL SHOP, 1601 SAN FRANCISCO AVENUE. THE CONTRACTOR SHALL CONTACT MR. DAVO ROBERTS AT (562) 570-2766 TWO WORKING DAYS IN ADVANCE FOR COORDINATION.
14. NEW 170 CONTROLLER SHALL BE DELIVERED BY THE CONTRACTOR TO THE CITY OF LONG BEACH, TRAFFIC SIGNAL SHOP, 1601 SAN FRANCISCO AVENUE FOR TESTING. THE CONTRACTOR SHALL CONTACT MR. DAVO ROBERTS AT (562) 570-2766 FOR COORDINATION.



EXISTING SIGNAL PHASE DIAGRAM



- CONSTRUCTION NOTES
1. REUSE EXISTING TYPE 333 CABINET COMPLETE WITH LOG-18 PROGRAM, BATTERY BACKUP SYSTEM, (12) 2-CHANNEL ILLD. SIGNAL UNITS, (2) PERIPHERAL ISOLATION MODULES, (12) SWITCH PAGES, (1) AS ISOLATION MODULE, AND RADIO CORRECTED TIME BASE UNIT AND ANTENNA. REMOVE AND SALVAGE TYPE 170S CONTROLLER. INSTALL TYPE 170E CONTROLLER AND (1) MODERN.
 2. INSTALL DETAIL 40.
 3. INSTALL SIGN AS SHOWN.
 4. REMOVE EXISTING PAVEMENT MARKING.
 5. REMOVE DETAIL 38, AND INSTALL DETAIL 9 AS SHOWN.
 6. REMOVE AND SALVAGE EXISTING U.S.N.S. AND INSTALL REFLECTORIZED S.N.S. SEE GENERAL NOTE 7.

PLANS PREPARED BY: VAN DEL AND ASSOCIATES, INC.
SURREY, CA 92084
UNDER THE SUPERVISION OF: R.C.E. 45776 DATE: 6/14/05

REVIEWED: COUNTY OF LOS ANGELES
DATE: 6/14/05
APPROVED: DATE: 6/14/05
BY: DATE: 6/14/05
PROJECT ID: TS04010036
PCA NO. X7408719

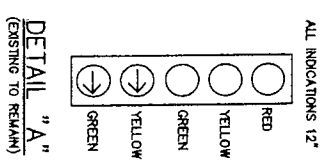
50% CITY OF LAKEWOOD
12.5% CITY OF LONG BEACH
37.5% CITY OF HAWAIIAN GARDENS

COUNTY OF LOS ANGELES
DEPARTMENT OF PUBLIC WORKS
TRAFFIC AND LIGHTING DIVISION

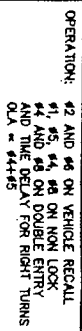
TRAFFIC SIGNAL DRAWING
CARSON STREET
AT PIONEER BOULEVARD

REVISIONS	DATE	CADD PARTNAME	PROJECT

THIS PLAN IS ACCURATE FOR THE PROPOSED WORK ONLY



T.G. 766-H6



CASINO

STREET

CARSON

CLARKDALE
AVENUE

VIOLETA
AVENUE

CONSTRUCTION NOTES

SEINE
AVENUE

THIS PLAN IS ACCURATE FOR THE PROPOSED WORK ONLY

ALL INDICATIONS: 12"

RED

YELLOW

GREEN

YELLOW



GREEN

DETAIL "A"

(EXISTING TO REMAIN)

(PROPOSED AS SHOWN)



1. ALL MATERIALS AND EQUIPMENT SHALL BE FURNISHED AND INSTALLED BY THE CONTRACTOR, EXCEPT SIGNING.
2. THE OPS UNIVERSAL, THE BASE UNIT AND ANTENNA SHALL BE MOUNTED PER MANUFACTURER'S GUIDELINES. THE OPS UNIVERSAL, THE BASE UNIT ANTENNA SHALL BE LOCATED ON THE STREET SIDE OF THE TOP OF THE CONTROLLER CABINET.
3. ALL WIRING SHALL BE MARKED (TAGGED) WITHIN THE CONTROLLER CABINET FOR PHASE IDENTIFICATION.
4. ALL SIGNAL EQUIPMENT SHALL BE WIRED IN ACCORDANCE WITH THE EXISTING SIGNAL PHASE DIAGRAM.
5. (XXXX) INDICATES LOOP AND DETECTION ZONE ASSIGNMENTS IN THE CONTROLLER CABINET.
6. PROPOSED SIGNING (EXCEPT FOR MAST ARM STREET NAME SIGNS) SHALL BE INSTALLED, RELOCATED OR REMOVED BY THE LOS ANGELES COUNTY, DEPARTMENT OF PUBLIC WORKS. CALL (626) 455-1708 5 WORKING DAYS PRIOR SCHEDULED INSTALLATION FOR COORDINATION.
7. ALL EXISTING CONDUITS SHALL BE REUSED UNLESS OTHERWISE NOTED.
8. TRAFFIC SIGNAL, STRIPING AND HIGHWAY LIGHTING CONSTRUCTION SHALL CONFORM TO CALTRANS STANDARD PLANS AND STANDARD SPECIFICATIONS, JULY 2002 EDITION, THE PLAN AND THE SPECIAL PROVISIONS.
9. ALL NEW SIGNING SHALL CONFORM TO THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD), 2003 EDITION, AND ITS CALIFORNIA SUPPLEMENT, DATED MAY 2004.
10. EXISTING SIGNING PER CALTRANS TRAFFIC MANUAL.
11. ALL VEHICLE INDICATIONS SHALL BE 300MM (12") WITH LED RED, LED YELLOW, AND LED GREEN INDICATIONS PER CALTRANS APPROVED SPECIFICATIONS.
12.  INDICATES EXISTING QUEUE CLEARING LOOPS.
13.  INDICATES EXISTING VIDEO DETECTION ZONE.

CONSTRUCTION NOTES

- # AVENUE
- 1 REMOVE EXISTING THE 332 CABINET COMPLETE WITH TYPE 170 CONTROLLER, BRIDMAN 233 PROBE/AL, (2) 2-CHANNEL I.L.D. SENSOR UNITS, (2) FOOTSTRAIN SWITCH PICK-UPS, INSTALL GPS UNIVERSAL TIME PLATE (170) UNIT IN EXISTING CABINET. SEE GENERAL NOTE 2 AND SPECIAL PROVISIONS.
 - 2 REMOVE EXISTING SIGN POST. INSTALL M6-2 SIGN AND POST AND RELOCATE EXISTING TYPE K MARKER TO NEW POST (10' HIGH).
 - 3 INSTALL R3-7.
 - 4 INSTALL 25' RED CURB.
 - 5 INSTALL 5'-12" (R/Y/G/Y/G/A) VEHICLE HEAD. SEE DETAIL "A". CONTACT THE CITY OF HAWAIIAN GARDENS, MR. NICHOLAS NGUYEN, AT (562) 420-2641 EXT. 216 AND HAWAIIAN GARDENS CASINO, MR. TONY DIPILOLO, AT (526) 201-2500, AT LEAST 10 WORKING DAYS PRIOR TO START OF WORK FOR COORDINATION.
 - 6 REMOVE AND SALVAGE EXISTING VIDEO DETECTION SYSTEM. INSTALL (1) RACK MOUNTED VIDEO IMAGE PROCESSOR IN EXISTING CABINET. VIDEO IMAGE PROCESSOR IS TO BE RACK MOUNTED AND WIRING TO BE RECONSTRUCTED AND REINSTALLED. PROVIDE REPRESENTATIVE SHALL BE PRESENT DURING INSTALLATION OF THE VIDEO DETECTION SYSTEM. SEE SPECIAL PROVISIONS.
 - 7 REMOVE AND SALVAGE EXISTING WIRELESS VEHICLE VIDEO DETECTION SYSTEM. REMOVE EXISTING WIRELESS VEHICLE VIDEO DETECTION CAMERA (ECONOLITE DC-2000 L1 OR EQUIVALENT) AND PROVIDE INSTRUCTIONS TO THE CONTRACTOR. SEE SPECIAL PROVISIONS.

COUNTY OF LOS ANGELES
DEPARTMENT OF PUBLIC WORKS
TRAFFIC AND LIGHTING DIVISION

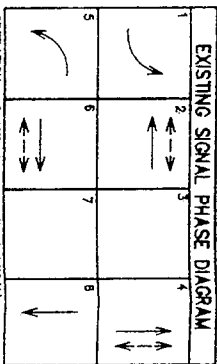
TRAFFIC SIGNAL DRAWING

AT MOLETA AVENUE/HAWAIIAN GARDENS CASINO	5	23	OF	30	SHT.	17	OF	23	SCALE - NONE	T.S.	2205	R-3
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T.O. 766-H6

GENERAL NOTES

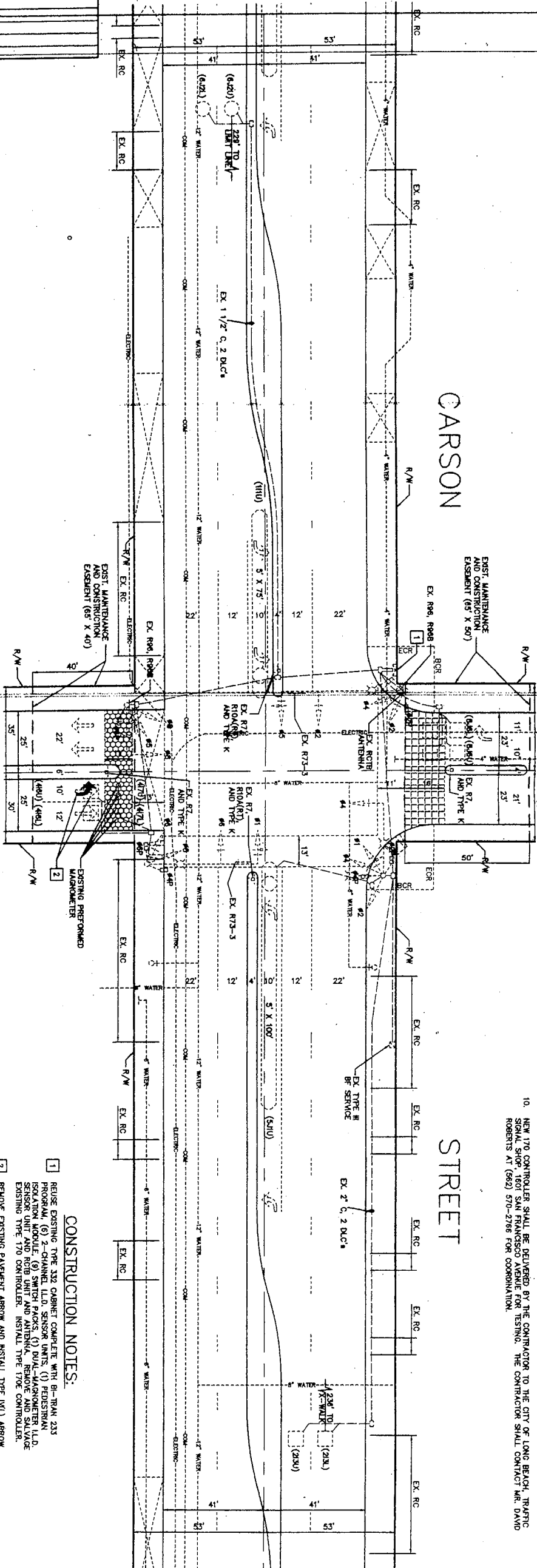
1. ALL MATERIALS AND EQUIPMENT SHALL BE FURNISHED AND INSTALLED BY THE CONTRACTOR.
2. ALL WIRING SHALL BE MARKED (TAGGED) WITHIN THE CONTROLLER CABINET FOR PHASE IDENTIFICATION.
3. ALL SIGNAL EQUIPMENT SHALL BE WIRING IN ACCORDANCE WITH THE EXISTING SIGNAL PHASE DIAGRAM.
4. (0000) INDICATES LOOP ASSIGNMENT IN THE CONTROLLER CABINET.
5. ALL TRAFFIC PAYMENT MARKINGS SHOWN HEREON AS PART OF TS40010036 SHALL BE INSTALLED WITH PAINT BY THE CONTRACTOR.
6. ALL TRAFFIC SIGNAL EQUIPMENT TO BE SALVAGED SHALL BE DELIVERED TO THE CITY OF LONG BEACH, TRAFFIC SIGNAL SHOP, 1801 SAN FRANCISCO AVENUE, LONG BEACH, CA 90801, BY CONTRACTOR MR. DAVID ROBERTS AT (562) 570-2766 TWO WORKING DAYS IN ADVANCE FOR COORDINATION.
7. TRAFFIC SIGNAL, STRIPING, PAYMENT MARKINGS AND HIGHWAY LIGHTING CONSTRUCTION SHALL CONFORM TO SPECIAL PROVISIONS.
8. EXISTING SIGNING PER CALTRANS TRAFFIC MANUAL.
9. REMOVAL OF CONFLICTING MARKINGS SHALL BE BY WET SANDBLASTING.
10. NEW 170 CONTROLLER SHALL BE DELIVERED BY THE CONTRACTOR TO THE CITY OF LONG BEACH, TRAFFIC SIGNAL SHOP, 1801 SAN FRANCISCO AVENUE, LONG BEACH, CA 90801, BY CONTRACTOR MR. DAVID ROBERTS AT (562) 570-2766 FOR COORDINATION.

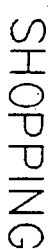
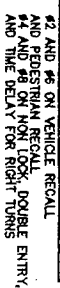


THE GARDENS DWY.

CARSON STREET

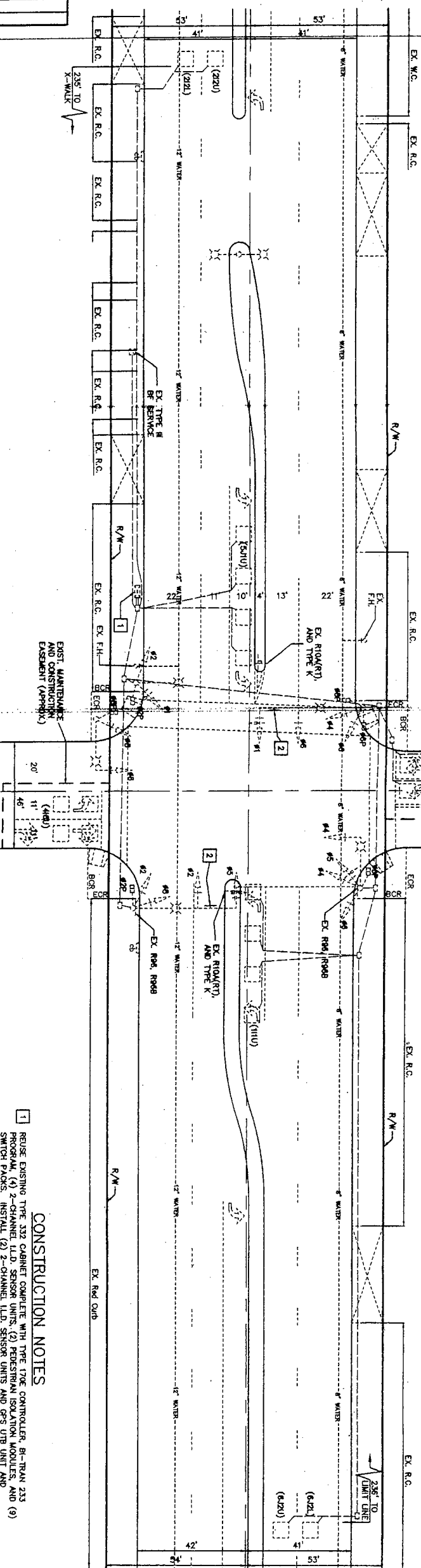
STREET





- CARSON

STREET



CONSTRUCTION NOTES

- 1 REUSE EXISTING TYPE 112 CABLED COMPLETE WITH TYPE 170E CONTROLLER, BL-TRAN 233 SWITCH PACKS, (4) 2-CHANNEL I.L.D. SENSOR UNITS, (2) PDESTRAN ISOLATION MODULES, AND ANTENNA. SEE GENERAL NOTE 2.
- 2 INSTALL R73-2(CA).

[illegible]

THIS PLAN IS ACCURATE FOR THE PROPOSED WORK ONLY

T.G. 767-A6

LAKEWOOD MOBILE
ESTATES



COUNTY OF LOS ANGELES
DEPARTMENT OF PUBLIC WORKS
TRAFFIC AND LIGHTING DIVISION

TRAFFIC SIGNAL DRAWING

CARSON STREET

AT SHOPPING CENTER/LAKEWOOD MOBILE ESTATES

PLANS PREPARED BY:

VAN DELL AND ASSOCIATES, INC.
SURVEYORS
CIVIL ENGINEERS
LAND PLANNERS

17801 CARMINGTON ROAD
RIVINE CA 92514

(949) 474-1400

UNDER THE SUPERVISION OF:

McDonald

MORAMUND R. HEAT
R.C.E. 457/6
DATE

6/14/68

IRVINE CA 92614

NAME	R.C.E.	DATE
KAMMAD R. HEAT	45776	

PROJECT ID TSM0010036
PCA NO. X7409719

K/S 20 OF 30	SH.T. 21 OF 23	SCALE= NONE	T.S. 3055
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GPS UNIVERSAL TIME BASE (U.T.B.) UNIT TABLE

NO.	INTERSECTION	JURISDICTION	EXISTING CONTROLLER TYPE	EXISTING CABINET TYPE	EXISTING INTERCONNECT	ANTENNA NEEDED *	INSTALL GPS UTB * UNIT
26	CARSON STREET • NORWALK BLVD.	100% CITY OF HAWAIIAN GARDENS	170E(SLAVE)/170(MASTER)	332	2-12PR#19	YES	YES
27	CARSON STREET • BELSHIRE AVENUE	100% CITY OF HAWAIIAN GARDENS	170E	332	NONE	YES	YES

- * GENERAL NOTES:
1. ALL MATERIALS AND EQUIPMENT SHALL BE FURNISHED AND INSTALLED BY THE CONTRACTOR.
 2. THE GPS UNIVERSAL TIME BASE (UTB) UNIT AND ANTENNA SHALL BE MOUNTED PER MANUFACTURER'S GUIDELINES. THE GPS UTB ANTENNA SHALL BE LOCATED ON THE STREET SIDE OF THE TOP OF THE CONTROLLER CABINET. SEE SPECIAL PROVISIONS.

REVIEWED BY	K. RUTHERFORD
DESIGNED BY	K. RUTHERFORD
DRAWN BY	K. KO
CHECKED BY	K. KO

PLANS PREPARED BY:
VAN DELL AND ASSOCIATES, INC.
DATE: 12/2/08
SCALE: AS SHOWN

APPROVED: CITY OF HAWAIIAN GARDENS
DATE: 12/2/08
SCALE: AS SHOWN

PROJECT ID TSM0010036
PCA NO. X7409719

COUNTY OF LOS ANGELES
DEPARTMENT OF PUBLIC WORKS
TRAFFIC AND LIGHTING DIVISION
CARSON STREET
GPS UNIVERSAL TIME BASE UNIT TABLE

UNDER THE SUPERVISION OF:
DATE: 12/2/08
SCALE: AS SHOWN

PROJECT ID TSM0010036
PCA NO. X7409719

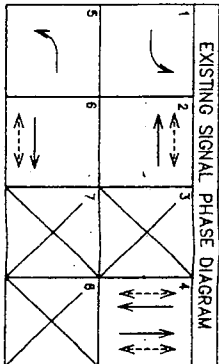
SHR. 23 OF 23
SCALE: NONE
T.S. 3056

Page 8 of 9

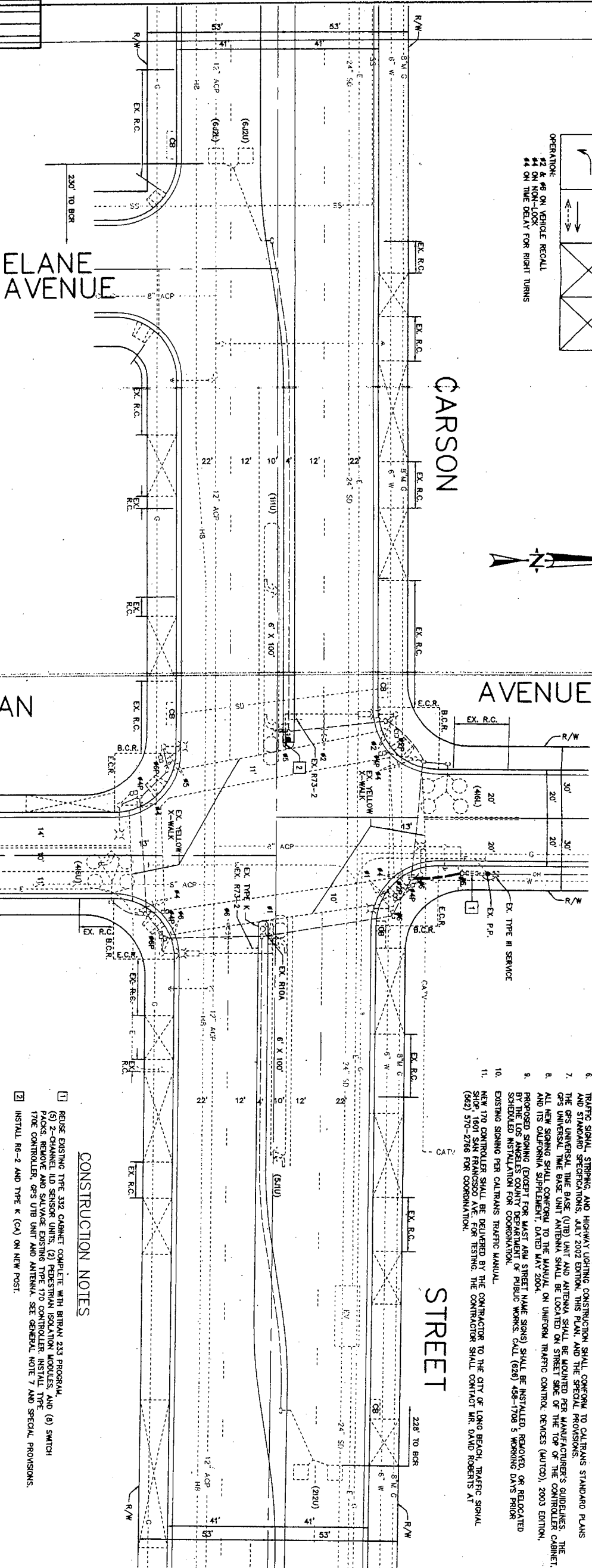
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GENERAL NOTES

1. ALL MATERIALS AND EQUIPMENT SHALL BE FURNISHED AND INSTALLED BY THE CONTRACTOR, EXCEPT SIGNING.
2. ALL WIRING SHALL BE MARKED (TAGGED) WITHIN THE CONTROLLER CABINET FOR PHASE IDENTIFICATION.
3. ALL SIGNAL EQUIPMENT SHALL BE WIRED IN ACCORDANCE WITH THE EXISTING SIGNAL PHASE DIAGRAM.
4. (XXXX) INDICATES LOOP ASSIGNMENT IN THE CONTROLLER CABINET.
5. ALL TRAFFIC SIGNAL EQUIPMENT TO BE SALVAGED SHALL BE DELIVERED TO THE CITY OF LONG BEACH, TRAFFIC SIGNAL SHOP, 1601 SAN FRANCISCO AVE. THE CONTRACTOR SHALL CONTACT MR. DAVID ROBERTS AT (562) 570-2766 TWO WORKING DAYS IN ADVANCE FOR COORDINATION.
6. TRAFFIC SIGNAL, STRIPING, AND HIGHWAY LIGHTING CONSTRUCTION SHALL CONFORM TO CALTRANS STANDARD PLANS AND STANDARD SPECIFICATIONS, JULY 2002 EDITION, THIS PLAN, AND THE SPECIAL PROVISIONS.
7. THE GPS UNIVERSAL TIME BASE (UTB) UNIT AND ANTENNA SHALL BE MOUNTED PER MANUFACTURER'S GUIDELINES. THE GPS UNIVERSAL TIME BASE UNIT ANTENNA SHALL BE LOCATED ON STREET SIDE OF THE TOP OF THE CONTROLLER CABINET, AND ITS CALIFORNIA SUPPLEMENT, DATED MAY 2004.
8. ALL NEW SIGNING SHALL CONFORM TO THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD), 2003 EDITION.
9. PROPOSED SIGNING (EXCEPT FOR MOST AWM STREET NAME SIGNS) SHALL BE INSTALLED, REMOVED, OR RELOCATED BY THE LOS ANGELES COUNTY DEPARTMENT OF PUBLIC WORKS, CALL (626) 458-1708 5 WORKING DAYS PRIOR TO THE SCHEDULED INSTALLATION FOR COORDINATION.
10. EXISTING SIGNING PER CALTRANS TRAFFIC MANUAL.
11. NEW 170 CONTROLLER SHALL BE DELIVERED BY THE CONTRACTOR TO THE CITY OF LONG BEACH, TRAFFIC SIGNAL SHOP, 1601 SAN FRANCISCO AVE. FOR TESTING. THE CONTRACTOR SHALL CONTACT MR. DAVID ROBERTS AT (562) 570-2766 FOR COORDINATION.



OPERATION:
#2 & #6 ON VEHICLE RECALL
#4 ON NON-LOCK
#4 ON TIME DELAY FOR RIGHT TURNS



CONSTRUCTION NOTES

- 1. REUSE EXISTING TYPE 332 CABINET COMPLETE WITH BATTM 233 PROGRAM, (S) 2-CHANNEL I/O SENSOR UNITS, (2) PEDESTRIAN BURNING INDICATOR, (2) 170E CONTROLLER, GPS UTB UNIT AND ANTENNA. SEE GENERAL NOTE 7 AND SPECIAL PROVISIONS.
- 2. INSTALL RE-2 AND TYPE K (CA) ON NEW POST.



100% CITY OF HAWAIIAN GARDENS

COUNTY OF LOS ANGELES
DEPARTMENT OF PUBLIC WORKS
TRAFFIC AND LIGHTING DIVISION

TRAFFIC SIGNAL DRAWING
CARSON STREET
AT JUAN AVENUE

PLANS PREPARED BY: PPL AND ASSOCIATES, INC. 10 CORPORATE PARK, SUITE 310 IRVINE, CA 92618 (949) 252-1688		APPROVED: CITY OF HAWAIIAN GARDENS DATE: 6/16/15		PROJECT ID: TSM0010036 POA NO. K7408719	
UNDER THE SUPERVISION OF: <i>[Signature]</i> R.C.E. 40069		DATE: 6/16/15		INTERSECTION: SHT 18 OF 23 SCALE: AS SHOWN ITS 2008-R4	

THIS PLAN IS ACCURATE FOR THE PROPOSED WORK ONLY.

T.G. 766-H6